

Concept Sheet

We'll fill in two terms (rows) today.

Concept	Meaning	Sym- bol	Units	Picture
FREQUENCY	HOW MANY PER UNIT OF TIME $\text{FREQ} = \frac{\#}{\text{TIME}}$	f $f = \frac{1}{T}$	hertz $\text{Hz} = \frac{1}{\text{sec}}$	
PERIOD	HOW MUCH TIME FOR ONE. $\text{PERIOD} = \frac{\text{TIME}}{\#}$	T $T = \frac{1}{f}$	Seconds sec.	
TRANSVERSE	WHEN THE MEDIUM VIBRATES ACROSS THE DIRECTION THE WAVE TRAVELS.			
LONGITUDINAL	WHEN THE MEDIUM VIBRATES ALONG THE DIRECTION THE WAVE TRAVELS.			
AMPLITUDE	HOW FAR FROM THE MIDDLE.	A	meters m	
WAVELENGTH	HOW FAR FOR ONE "BACK & FORTH"	λ	meters m	
WAVESPEED	$\frac{\text{DISTANCE OF A WAVE}}{\text{TIME OF A WAVE}}$	v	meters Second m/s	

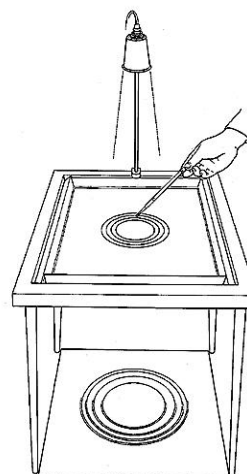
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Welcome!!!

H. Leslie Grebe

- * Pick up:
 - packet
- == Don't need slip ==
- Daily 3 will come directly off of packet

TEST
WED.




Opening Question:

Dipping my finger in a puddle: what would make more AMPLITUDE?


Centering

Sep 7-7:04 AM

What is a ripple tank?


 <https://www.youtube.com/watch?v=-8a61G8Hvi0>

What are we looking at in the simulator?

 <http://phet.colorado.edu/en/simulation/wave-interference>

How far should you get?

Feb 27-7:58 AM



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